

Notice of Allowability

Application No.

09/692,354

Examiner

Ashok B. Patel

Applicant(s)

NEAL ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/28/2004.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☒ The drawings filed on 1-9-2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

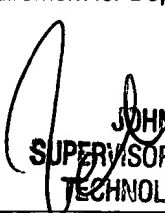
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 10/29/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

1. Claims 1-21 are allowed.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Wayne Bailey on 02/17/2005.

3. The application has been amended as follows:

Please amend the paragraph appearing on page 1, line 4 to page 2, line 3 as follows:

The present invention is related to applications entitled ~~System Area Network of End to End Context via Reliable Datagram Domains~~, serial no. 09/692,354; Method and Apparatus for Pausing a Send Queue without Causing Sympathy Errors, serial no. 09/692,340, now U.S. Patent no. 6,766,467; End Node Partitioning using LMC for a System Area Network, serial no. 09/692,351; Method and Apparatus for Dynamic Retention of System Area Network Management information in Non-volatile Store, serial no. 09/692,365; Method and Apparatus for Retaining Network Security Setting's Across Power Cycles, serial no. 09/692,337; Method and Apparatus for Reporting Unauthorized Attempts to Access Nodes in a Network Computing System, serial no. 09/692,348; Method and Apparatus for Reliably Choosing a Master Network Manager During

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Initialization of a Network Computing System, serial no. 09/692,346; Method and Apparatus for Ensuring Scalable Mastership During Initialization of a System Area Network, serial no. 09/692,3411 ; and Method and Apparatus for Using a Service ID for the Equivalent of Port ID in a Network Computing System, serial 09/692,352, now abandoned, all of which are filed even date hereof, assigned to the same assignee, and incorporated herein by reference.

REASONS FOR ALLOWANCE

4. The following is an examiner's statement of reasons for allowance:

Applicant's arguments that neither Krause, Shah nor Murayama discloses are persuasive with respect to associating reliable datagram queue pair with an underlying end-to-end context of a channel adapter. As a part of such association, a reliable datagram domain is stored within the reliable datagram queue pair context. In addition, this same reliable datagram domain is stored within the end-to-end context. In order to advantageously enable reliable datagram queue pairs to communicate on multiple SAN partition, a partition key is also stored within the same end-to-end context. By storing the partition key in this same end-to-end context, instead of being stored in the queue pair context, there is no need to check the partition key of incoming packets against all partition keys that a particular host channel adapter has access to, which in the past was hardware resource prohibitive. Thus, greater partitioning flexibility is provided by the present invention by enabling queue pairs of a SAN transport to communicate directly on multiple partitions. None of the prior arts of record teach or suggest the claimed limitations.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashok B. Patel whose telephone number is (571) 272-3972. The examiner can normally be reached on 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Abp


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SUPERVISORY PATENT EXAMINER
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